

⁴⁸Ti($\alpha,\alpha n\gamma$),(¹⁶O,¹²C γ) 1979Da07

Type	Author	Citation	History	Literature Cutoff Date
Full Evaluation	S. Ota and E. A. Mccutchan	NDS 203,1 (2025)		1-Apr-2025

1979Da07: E(¹⁶O)=120 MeV. Measured E γ , I γ , and ¹²C- γ coincidences using Si telescope and Ge(Li).
1977Gi18: E(α)=21-35 MeV. Measured E γ , I γ , excitation function using Ge(Li) detector. ⁴⁷Ti is observed as a side channel for studying ⁵⁰V in (α ,pn) reaction, no level scheme or discussion of ⁴⁷Ti given.

⁴⁷Ti Levels

E(level) [†]	J π [‡]
0.0	5/2 ⁻
159	7/2 ⁻
1444	11/2 ⁻

[†] Energies are rounded values from the Adopted Levels.
[‡] From 1979Da07.

γ (⁴⁷Ti)

E γ	I γ [†]	E _i (level)	J π _i	E _f	J π _f
159	15 4	159	7/2 ⁻	0.0	5/2 ⁻
1285	19 6	1444	11/2 ⁻	159	7/2 ⁻

[†] Relative photon intensity from 1979Da07.

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Level Scheme
Intensities: Relative I γ

Legend

- I γ < 2% × I γ ^{max}
- I γ < 10% × I γ ^{max}
- I γ > 10% × I γ ^{max}

